

SITUATION REPORT NO. 7
FINAL REPORT
INCIDENT NO. 2003-122
DATE: April 6, 2004 Time: 11:00 a.m.

TO: Governor John Hoeven
State Capitol
Bismarck, ND 58505

1. NATURE OF DISASTER: Serious Water Distribution Problems –The declining Lake Oahe levels has had a negative impact on the water supply for the city of Fort Yates, beginning in November 2003.
2. DEATHS AND INJURIES: No deaths or injuries have been reported.
3. DAMAGES: No change from previous reports.
4. RESOURCES:
LOCAL: No change from previous reports.
STATE: No change from previous reports.
FEDERAL: No change from previous reports.
5. VOLUNTEER ACTION: No change from previous reports.
6. MAJOR ACTIONS: Short-term operations have been completed for providing water to the Fort Yates water treatment plant . The portable/submersible diesel powered pumps have been removed. Two electrical submersible pumps have been installed and are fully operational. Only one pump is required at a time. The second pump is a back-up. Each of these pumps is able to provide 1,400 gallons per minute to the water treatment facility. Fort Yates average water usage is between 600 to 800 gallons per minute. These pumps have been placed at an elevation of 1,563 feet with the current river level measuring 1,581.5 feet. Industrial Builders has completed placing rip-rap along the edge of the access road and has also placed crushed gravel on top of the access road.

The U.S. Bureau of Reclamation (BOR) indicated all equipment, procedures and operations are currently running smoothly with no anticipated problems. Given projected summer drought conditions and the potential for even lower river levels, the situation will be monitored closely.

Options for a permanent solution include abandoning the two existing water treatment facilities and building a new one, with a new intake station. A second option would be to refurbish the existing facilities. These proposals are tied to a long term engineering needs study. The proposal to build a new water treatment plant and intake facility is estimated to cost approximately \$15 million by BOR officials.

Officials for the Standing Rock Indian Reservation will conduct a "Resistivity Study," which will analyze soil compositions and depths. The results of the study will then be tied to possible future solutions from the BOR. The BOR is assisting Standing Rock officials in pursuing grants for potential rural development.

7. ASSISTANCE NEEDED: As indicated.
8. OUTSIDE HELP ON SCENE: No change from previous reports.
9. OTHER INFORMATION: The N.D. Division of Emergency Management's Situation Reports are posted on the Division's Internet home page. The address is <http://www.state.nd.us/dem>.

Douglas C. Friez, State Director